

The present invention provides a single carrier/DS-CDMA packet transmission method wherein a predetermined time slot is assigned to reservation

5 demand packet transmission in regard to a spreading
code, and the reservation demand packet and data
packets are time-multiplexed for transmission. An
uplink packet transmission method in a multi-
carrier/DS-CDMA mobile communication system is also
10 provided, wherein frames are set up in each
communication channel of a subcarrier, time slots
which are time-segments of the frames are set up
further, and a mobile station spreads a packet to be
transmitted by a spreading code and the information
15 signal is transmitted to a base station in a
predetermined time slot. A downlink channel
configuration in a multi-carrier/DS-CDMA mobile
communication system is further provided, wherein a
plurality of communication channels assigned to each
20 of a plurality of subcarriers are divided for every
predetermined time frame, and multiplexed, and the
plurality of the communication channels assigned to
each subcarrier include a common-control channel
used by a plurality of users in common, and
25 communication channels peculiar to each user.